

SAFT



PORTABLE STORAGE BATTERIES

SAFT PORTABLE
STORAGE BATTERIES
HAVE WHAT IT
TAKES TO DELIVER
REMARKABLE
PERFORMANCE

Characteristics	Capacity C5 Ah	Dimensions		Weight (g)	Application Examples
Soft Reference	C5 Ah	ø (2)	H (2)	Weight (g)	Application Examples
Cycling Types					
Standard Series (1) VR 023					
VR 0.11 1/3AA	0.11	14.3	17.3	10	Tools Household appliances Medical equipment Telecommunications Lamps
VR 0.25 1/2AA	0.25	14.3	28.0	14	
VR 0.5 2/3AF	0.5	16.9	27.9	21	
VR 0.5 AA	0.5	14.3	50.2	23	
VR 0.8 3/2AA	0.8	14.3	73.0	37	
VR 1.2 Cs	1.2	22.4	42.2	49	
VR 2 C	2.0	25.6	49.5	75	
VR 2.5 2/3D	2.5	32.6	43.3	103	
VR 4 D	4.0	32.6	60.3	150	
VR 7 F	7.0	32.6	91.1	235	
VR 10 SF	10.0	41.5	89.0	390	
Button VBE 022					
VB 4E	0.04	15.7	6.0	3.5	Memory backup Cordless telephones
VB 10E	0.10	23.0	5.3	7	
VB 22E	0.22	25.1	7.8	12	
VB 30E	0.30	34.7	5.5	18	
VB 60E	0.60	34.7	9.8	31	
High Energy series VE 026, VE 126					
VE AA 600	0.6	14.3	49.2	25	Telecommunications Electric shavers
VE AA 700	0.7	14.3	49.2	25	
VE AF	1.0	16.9	49.2	37	
VE Cs 1400	1.4	22.4	42.2	52	
VE Cs 1700	1.7	22.4	42.2	55	
VE D	4.5	32.4	58.3	154	
High Power Rapid Charge Series VY 025, VY 125					
VY Cs 1200	1.2	22.4	42.2	53	Professional tools Remote control cars etc.
VY Cs 1400	1.4	22.4	42.2	55	
Permanent charge types					
Stand-by Series VR 033					
VR Cs	1.2	22.5	41.9	52	Household appliances Emergency lighting Alarms Backup: computers, telex
VR D	4.0	32.7	80.3	139	
VR F	7.0	32.7	91.2	225	
Memoguard Series VBM 029					
40 RF 204	0.04	40.6×20.3×	8.9	10.5	Memory backup
40 RH 204	0.04	22.9×19.0×19.5		12.5	
40 RM 210	0.10	30.5×27.9×19.5		22.9	
High Temperature Series VT 037, VT 137					
VT AA	0.5	14.3	50.2	21	Emergency lighting Memory backup
VT Cs	1.2	22.4	42.2	49	
VT C	1.8	25.6	47.7	71	
VT D	4.0	32.6	60.3	138	
VT F	7.0	32.6	89.1	218	

1. These batteries are also suitable for permanent charge.
2. Maximum dimensions of sleeved cells (CFG).

STABLE DISCHARGE VOLTAGE

The multicontact connections of Saft sealed nickel-cadmium batteries ensure uniform voltage throughout the discharge period. This performance is ideally suited to equipment requiring a high degree of voltage stability.

HIGH POWER

With their low internal resistance, Saft sealed nickel-cadmium batteries can deliver high power for rapid discharge.

RAPID CHARGE

The Saft range of sealed rechargeable nickel-cadmium batteries is specially designed for rapid charging in less than one hour under controlled conditions.

OVERCHARGE RESISTANCE

Saft sealed nickel-cadmium batteries can withstand long periods of overcharge safely and without degradation of performance.

WIDE RANGE OF OPERATING TEMPERATURES

Versatile Saft sealed nickel-cadmium batteries are useable in temperatures ranging from -40°C to $+50^{\circ}\text{C}$, with some versions capable of operating at $+65^{\circ}\text{C}$.

ECONOMICAL ENERGY

Saft sealed nickel-cadmium batteries can be used in place of standard cells without difficulty, and have a life span of up to 2000 cycles.

EXCEPTIONAL DURABILITY

Saft sealed nickel-cadmium batteries have the longest life span of any rechargeable energy source. They may even outlive the equipment in which they are installed.

OUTSTANDING RELIABILITY

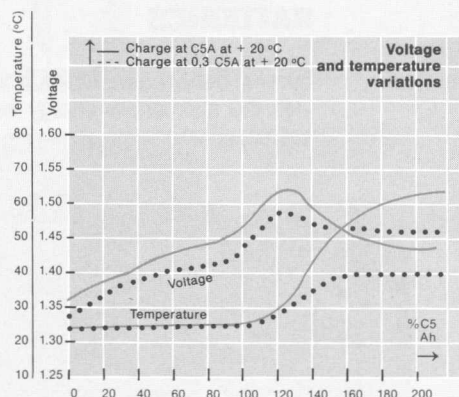
The high quality of Saft sealed nickel-cadmium batteries gives them a degree of reliability on a level with that of electronic components.

DEPENDABLY RUGGED

The steel containers of Saft sealed nickel-cadmium batteries make them highly resistant to arduous conditions.

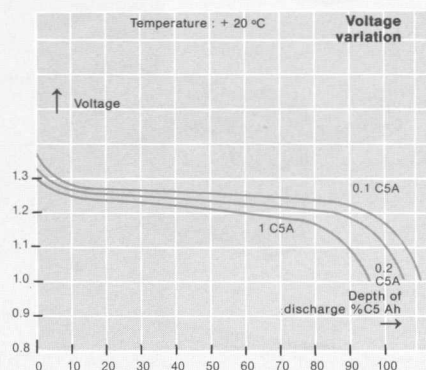
NO MAINTENANCE

Saft sealed nickel-cadmium batteries are maintenance-free. Their performance is not altered by long storage periods, whether charged or discharged.



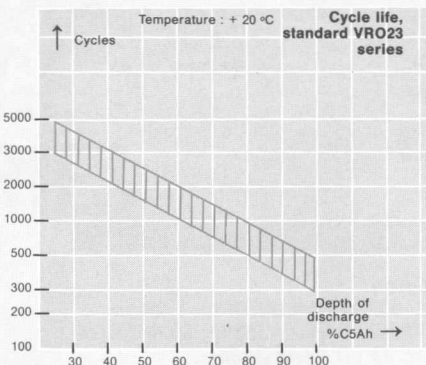
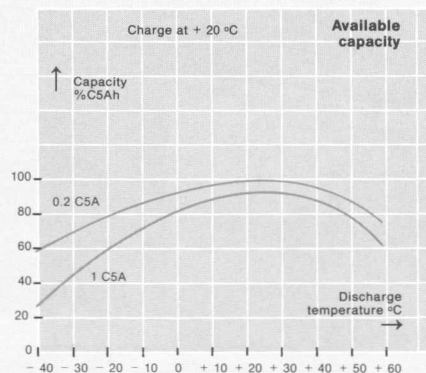
CHARGE

The voltage and temperature of Saft sealed nickel-cadmium batteries vary during charging. For rapid charge, these variations can serve as end-of-charge indicators.



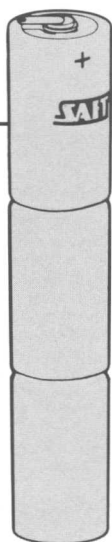
DISCHARGE

The voltage and capacity of Saft sealed nickel-cadmium batteries vary according to discharge rate and temperature.

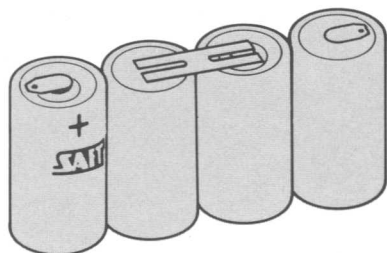


CYCLE LIFE

The life span of Saft sealed nickel-cadmium batteries depends on the type of use.



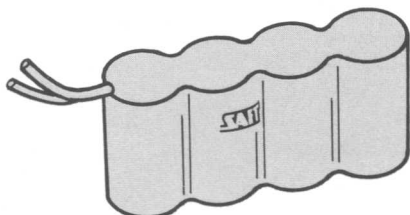
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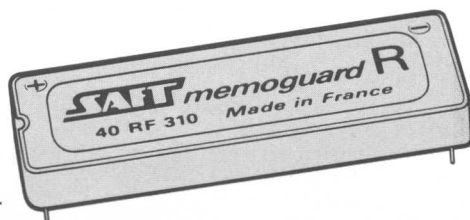
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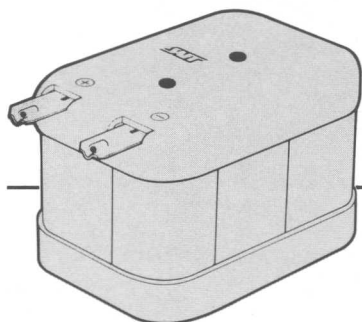
3.



4.



5.



6.

1. Cylindrical stack
2. Combination Pack
3. Standard VBE Battery
4. Heat-shrink overwrap and wiring
5. Memoguard R Battery
6. Redhead

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PORTABLE BATTERIES

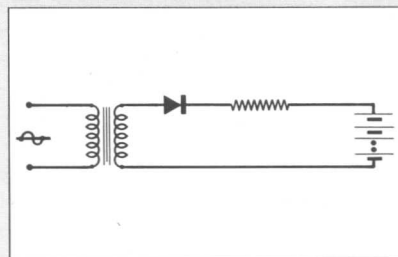
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COMM. 03.89 - 1561.2

BATTERIES

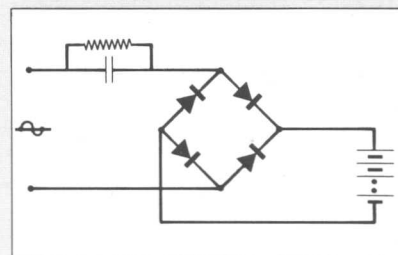
Specific battery assemblies provide the appropriate energy for each application.

CHARGERS



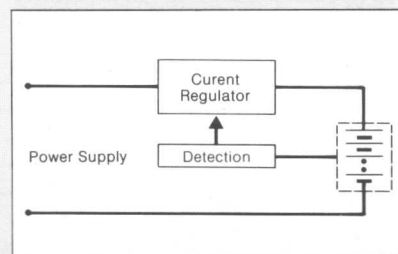
HALF-WAVE CHARGER

This is used for standard rate charge over a period of 16 hours, or for continuous charge. This same principle may be applied to full-wave chargers.



TRICKLE CHARGER

These are always integrated into the equipment and used for low charge rates.



RAPID CHARGERS

Saft recommends the use of a safety device to limit the duration of rapid charging.

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